

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

## Adams, John.

Quantitative study of climatic factors in relation to plant life. Ottawa. 1916. cover-title. tables. 25 cm. (Reprinted from the Transactions of the Royal society of Canada, ser. 3, v. 10, p. 105-123.)

## Bauer, Louis Agricola, and others.

Ocean magnetic observations 1905-1916 and reports on special researches. Washington. 1917. vii, 447 p. front. plates. tables. charts. maps (partly fold.) figures. 30½ cm. At head of title: Researches of the Department of terrestrial magnetism [Carnegie institution] volume 3. [Publication no. 175.] [Results of atmospheric-electric observations made aboard the Galilee (1907-1908), and the Carnegie (1909-1916), by L. A. Bauer and W. F. G. Swann, p. 361-422.]

## Bouches-du-Rhône. Commission de météorologie.

Bulletin annuel. Année 1915=34<sup>e</sup> année. Marseille. 1916. xii, 68, xxviii p. tables. map. charts. (partly fold.) 28½ cm.

## Cienfuegos. Colegio "Ntra. Sra. de Montserrat." Observatorio.

Anales . . . No. 6. Observaciones meteorológicas de 1916. Habana. 1917. [4], 7, [77] p. tables. 34 cm.

## Dickenson, Roy E.

Climate and its influence upon the Oligocene faunas of the Pacific coast, with descriptions of some new species from the *Molopophorus lincolniensis* zone. Climatic zones of Martinez Eocene time. San Francisco. 1917. cover-title. plates. map. 25½ cm. (Proceedings of the California academy of sciences, 4th ser. v. 7, nos. 6-7, p. 157-196.)

## Galli, Ignazio.

Supplemento alla storia, ai caratteri e agli effetti del fulmine globulare. Memoria sesta. Roma. 1916. 70 p. 29cm. (Estratto dalle Memorie delle Pontificia accademia romana dei Nuovi Lincei, ser. 2, v. 2.)

## Great Britain. Meteorological office.

Réseau mondial, 1912. Table representing the meteorology of the globe for . . . 1912 by means of stations selected at the rate of two for each ten-degree square. London. [1917.] 112 p. tables. 32cm. [Appears monthly with annual summary.]

## Harvard college. Astronomical observatory.

Annals. Volume 83, Part 1. Observations and investigations made at the Blue Hill meteorological observatory in the year 1916. Cambridge, Mass. 1917. [31.] 59 p. tables. charts. 30cm.

## Hegner, Caspar Frank.

Lightning; some of its effects. plate. 25cm. (Reprinted from Annals of surgery for April, 1917, p. 401-409.)

## Meyer, Adolph Frederick.

Elements of hydrology. New York. 1917. xii, 487 p. illus. tables. maps (partly fold.) charts (partly fold.) 23½cm.

## Minas Geraes. Serviço de meteorologia.

Dados meteorológicos de 1910 a 1914. Bello Horizonte. 1916. [21.] 5-106 p. [1] tables. charts. 32½ x 34½ cm.

## Norway. Norske meteorologiske institut.

Jahrbuch für 1916. Kristiania. 1917. xii, 167 p. tables. chart. 33½cm.

Nedbørsttagelser i Norge. Aargang 21, 1916. xi [1.] [3]-45 p. figures. tables. 2 fold. charts. 37½cm.

## Palmer, George Thomas.

Are schoolrooms drier than deserts? illus. tables. 23cm. (Reprinted from Journal of the American society of heating & ventilating engineers, July, 1917, p. 525-539.)

## Philip, George, &amp; son, limited.

Comparative wall atlas of the British Isles; ed. by J. F. Unstead and E. G. R. Taylor. 3. Temperature. 4. Annual rainfall, isobars & winds. 2 col. maps. 86½ x 111 cm. At bottom of map: The London geographical institute.

## Sleight, R[euben] B.

Evaporation from the surfaces of water and river-bed materials. Washington. 1917. cover-title. plates 33-38. tables. 13 figs. 26cm. (Reprinted from Journal of agricultural research, v. 10, no. 5.) Literature cited, p. 259-261.

## Straits Settlements [Principal civil medical officer].

Meteorological returns for the year 1916. Singapore. 1917. 9 [60] p. [121.] tables. 34cm.

## Switzerland. Schweizerische meteorologische Zentral-Anstalt.

Annalen, 1915. Der Schweizerischen meteorologischen Beobachtungen, Zweiundfünfzigster Jahrgang. Zürich. [1916] viii, [273] p. tables. charts (partly fold., partly col.) fold. map. 31cm. Various pagings.

## Taylor, Griffith.

Syllabus of lectures on meteorology for aviators. Melbourne [1915] 16 p. 21½cm. At head of title: Commonwealth military forces. Central flying school, Point Cooke, Victoria.

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

## Agricultural gazette of Canada. Ottawa. v. 1. August, 1917.

Cameron, Alfred E. The relation of soil insects to climatic conditions. p. 663-669.

## Engineering news-record. New York. v. 79. 1917.

Horton, Robert E. Rational study of rainfall data makes possible better estimates of water yield. p. 211-213. (Aug. 2.)

Horton, Robert E. Drainage-basin and crop studies aid water-supply estimates. p. 357-360. (Aug. 23.)

Gilkey, H. J. Freezing ground acts like hydraulic jack. p. 360-361. (Aug. 23.)

## Franklin institute. Journal. Philadelphia. v. 184. August, 1917.

Humphreys, William Jackson. Physics of the air. p. 137-178.

## Geographical review. New York. v. 4. August, 1917.

Carey, J. P. The central Illinois tornado of May 26, 1917. p. 122-130.

Ward, Robert DeC. Rainfall types of the United States. p. 131-144. London, Edinburgh and Dublin philosophical magazine. London. v. 34. August, 1917.

Jeffreys, Harold. On periodic convection currents in the atmosphere. p. 112-128.

## Nature. London. v. 99. 1917.

Chree, Charles. Photographs of aurora. p. 405-406. (July 19.)

Dines, William Henry. Meteorology and aviation. p. 424-426. (July 26.)

Mill, Hugh Robert. Forests and rainfall. p. 455-446. (Aug. 2.) [Review of memoir by M. Hill.]

Hawke, E. L. Rainfall and gunfire. p. 467-468. (Aug. 9.) [Summary of paper by Angot.]

## Royal meteorological society. Quarterly journal. London. v. 43. July, 1917.

Taylor, G. I. The formation of fog and mist. p. 241-268.

Bilham, E. G. The diurnal variation of atmospheric pressure at Benson, Oxon, during the year 1915. p. 269-281.

Whipple, F. J. W. The significance of the harmonic analysis of diurnal variation of pressure. p. 282-283. [Discussion of E. G. Bilham's paper.]

Clark, J. Edmund, & Adames, Henry B. Report on the phenological observations in the British islands, from December, 1915, to November, 1916. p. 285-316.

Ward, Robert DeC. The tornadoes of the United States as climatic phenomena. p. 317-329.

Dines, William Henry. Correlation in seasonal variations of weather. p. 333-335.

N., W. C. Mr. William Ellis, F. R. S. p. 335-337. [Obituary.]

G., W. V. Mr. Baldwin Latham, 1836-1917. p. 337-338. [Obituary.]